

## Declaration for Patent Application

Docket Number: 1875.0220000

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled System and Method for One-Time Programmed Memory Through Direct-Tunneling Oxide Breakdown, the specification of which is attached hereto unless the following box is checked:

- ☐ was filed on \_\_\_\_\_;  
as United States Application Number or PCT International Application Number \_\_\_\_\_; and  
was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

\_\_\_\_\_  
(Application No.)                      (Country)                      (Day/Month/Year Filed)

☐ Yes    ☐ No

\_\_\_\_\_  
(Application No.)                      (Country)                      (Day/Month/Year Filed)

☐ Yes    ☐ No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application No.)                      (Filing Date)

\_\_\_\_\_  
(Application No.)                      (Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

\_\_\_\_\_  
(Application No.)                      (Filing Date)                      (Status - patented, pending, abandoned)

\_\_\_\_\_  
(Application No.)                      (Filing Date)                      (Status - patented, pending, abandoned)

Appl. No.: To be assigned  
Docket No.: 1875.0220000

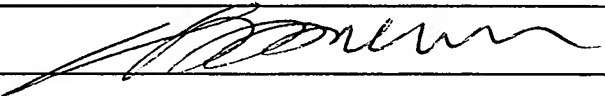
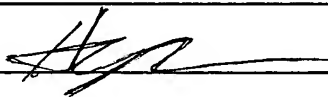
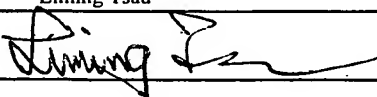
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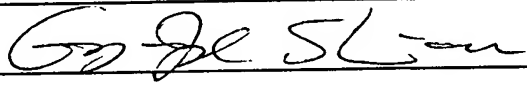
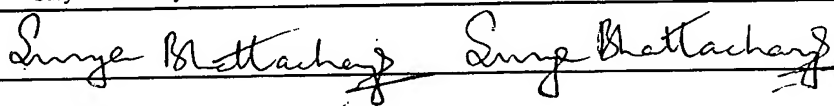
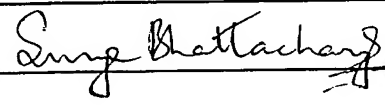
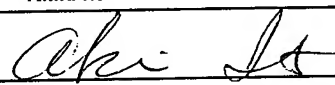
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Vincent Chen
Signature of sole or first inventor	 Date 12/12/00
Residence	Mission Viejo, California
Citizenship	United States
Mailing Address	67 Melrose
	Mission Viejo, California 92692
Full name of second inventor	Henry Chen
Signature of second inventor	 Date 12-12-00
Residence	Irvine, California
Citizenship	United States
Mailing Address	1 South Santa Teresita
	Irvine, California 92606
Full name of third inventor	Liming Tsau
Signature of third inventor	 Date 12/12/00
Residence	Irvine, California
Citizenship	Taiwan, ROC
Mailing Address	14591 Fir Avenue
	Irvine, California 92606

Full name of fourth inventor	Jay Shiau
Signature of fourth inventor	 12-12-00 <sup>Date</sup>
Residence	Irvine, California
Citizenship	Taiwan, ROC
Mailing Address	15 Faith Irvine, California 92612
Full name of fifth inventor	Surya Battacharya
Signature of fifth inventor	  Date 12/13/
Residence	Irvine, California
Citizenship	<del>India</del> USA
Mailing Address	31 Santa Catalina Aisle Irvine, California 92606
Full name of sixth inventor	Akira Ito
Signature of fifth inventor	 Date 12/15/00
Residence	Irvine, California
Citizenship	Japan
Mailing Address	284 Stonecliff Aisle Irvine, California 92612

## POWER OF ATTORNEY FROM ASSIGNEE

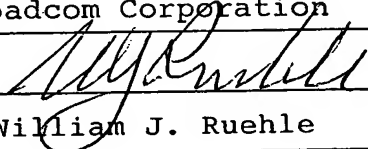
Broadcom Corporation, a corporation of Delaware, having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 1) 12/12/00, 2) 12/12/00, 3) 12/12/00, 4) 12/12/00, 5) 12/13/00 and 6) 12/15/00 of an invention known as System and Method for One-Time Programmed Memory Through Direct-Tunneling Oxide Breakdown (Attorney Docket No. 1875.0220000), which is disclosed and claimed in a patent application of the same title by the inventor(s) 1) Vincent Chen, 2) Henry Chen, Liming Tsau, Jay Shiau, Surya Battacharya and Akira Ito (said application filed herewith at the U.S. Patent and Trademark Office, having Application Number to be assigned).

The Assignee hereby appoints the following U.S. attorneys to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; Samuel L. Fox, Esq., Reg. No. 30,353; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
U.S.A.

Direct phone calls to 202-371-2600.

FOR: Broadcom Corporation  
SIGNATURE:   
BY: William J. Ruehle  
TITLE: Vice President & Chief Financial Officer  
DATE: March 20, 2001

## Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: Vincent Chen, Henry Chen, Liming Tsau, Jay Shiao, Surya Battacharya and Akira Ito

Application No./Patent No.: To be assigned Filed/Issue Date: 12/20/00

Entitled: System and Method for One-Time Programmed Memory Through Direct-Tunneling Oxide Breakdown

Broadcom Corporation, a corporation,  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:]** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: March 20, 2001

Name: William J. Ruehle

Title: Vice President & Chief Financial Officer

Signature: 

## ASSIGNMENT

DO NOT FORWARD  
TO ASSIGNMENT BRANCH  
NOT FOR RECORDATION

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): 1) Vincent Chen, 2) Henry Chen, 3) Liming Tsau, 4) Jay Shiau, 5) Surya Battacharya and 6) Akira Ito, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

*check applicable box(es)* ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention(s) known as System and Method for One-Time Programmed Memory Through Direct-Tunneling Oxide Breakdown for which application for patent in the United States of America has been executed by the undersigned on 1) 12/12/00, 2) 12-12-00, 3) 12-12-00, 4) 12-12-00, 5) 12-13-00 and 6) 12-15-00 (also known as United States Application No. to be assigned, filed herewith), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W.

Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: <u>12/12/00</u>	Signature of Inventor:  Vincent Chen
Date: <u>12/12/00</u>	Signature of Inventor:  Henry Chen
Date: <u>12/12/00</u>	Signature of Inventor:  Liming Tsau
Date: <u>12/12/00</u>	Signature of Inventor:  Jay Shiau
Date: <u>12/13/00</u>	Signature of Inventor:  Surya Battacharya
Date: <u>12/15/00</u>	Signature of Inventor:  Akira Ito

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